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SOURCE Bulgarski Voyn, No 9-10.FURTHER DATA ON "KALIN" DAM IN BULGARIA

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The water of the "Kalin" Dam will be used only when the consumption of power in Sofia is at its peak. The highest Bulgarian artificial lake, on the Chala Mountain crest, is located 2,400 meters above sea level. This lake will gather 1,300,000 cubic meters of water from the southern slopes of Kalin Mountain. On the northern slopes of Kalin Mountain, Lake Karag'ol will gather 1,500,000 cubic meters of water. When the dam wall is completed, the capacity of Lake Karag'ol will increase to 2,500,000 cubic meters of water. This lake does not have its own water-gathering basin, but will be filled with water from the 30-meter-high basin on the Chala crest or from the pumping station of the "Kalin" powerhouse. This pumping station can pump the water 800 meters high through the same pipe which supplies the powerhouse.

The "Kalin" Dam system, together with the power stations located one after the other and served also the the River Rila (Rilska reka) near the Pastra power station, provides more than half of the electric power required in Sofia. One liter of water dropped from this height (about 1,800 meters) is equal to the labor of 270 workers.

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- 1 -

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